

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (currently amended) A peristaltic pump device, comprising:
 - a) an occlusion with a substantially constant radius;
 - b) a flexible tube, disposed against the occlusion;
 - ~~b)~~ c) a rotor, rotatable with respect to the occlusion;
 - ~~c)~~ d) at least one roller, disposed on the rotor; and
 - e) the at least one roller being bearable against the tube to occlude the tube between the roller and the occlusion as the rotor rotates; and
 - ~~d)~~ f) a depression, formed in the occlusion, and extending beyond the substantially constant radius of the occlusion, and having a curvature that is substantially concentric with the at least one roller when the at least one roller is positioned at the depression.
2. (canceled)
3. (canceled)
4. (currently amended) A device in accordance with claim 3 1, wherein the curvature of the depression has a radius to match a radius of the at least one roller with the tube occluded therebetween.
5. (canceled)
6. (currently amended) A device in accordance with claim 3 1, wherein the tube is fluidly coupled to an ink reservoir of a printer.
7. (original) A device in accordance with claim 1, further comprising:

means for stopping the rotor with the at least one roller within a distance of the depression less than a diameter of the at least one roller.

8. (original) A device in accordance with claim 7, wherein the means for stopping the rotor includes an item selected from the group consisting of: an encoder, a stepper motor, and control electronics.

9. (currently amended) A device in accordance with claim 1, wherein the depression is located nearer to ~~a leading end of the occlusion~~ an inlet of the tube than to an outlet of the tube.

10. (currently amended) A peristaltic pump device, comprising:

- a) an occlusion having a substantially constant radius;
- b) a rotor, rotatably disposed with respect to the occlusion;
- c) a tube disposed against the occlusion;
- d) at least one roller, disposed on the rotor, and bearable against the tube, to occlude the tube between the roller and the occlusion as the rotor rotates; ~~and~~
- e) a parking position with a lower force applied by the tube to the roller relative to remaining locations of revolution of the at least one roller along the tube, and including a depression formed in the occlusion ; and
- f) means for stopping the rotor with the at least one roller within a distance of the depression less than a diameter of the at least one roller.

11. (original) A device in accordance with claim 10, wherein the depression has a curvature corresponding to a curvature of the at least one roller with the tube therebetween.

12. (original) A device in accordance with claim 10, wherein the depression is concentric with the roller when the roller is positioned at the depression.

13. (currently amended) A device in accordance with claim 10, wherein the depression is located nearer to ~~a leading end of the occlusion~~ an inlet of the tube than to an outlet of the tube.

14. (canceled)

15. (currently amended) A device in accordance with claim [14] 10, wherein the means for stopping the rotor includes an item selected from the group consisting of: an encoder, a stepper motor, and control electronics.

16. (original) A device in accordance with claim 10, wherein the tube is fluidly coupled to an ink reservoir of a printer.

17. (currently amended) A method for pumping a fluid, comprising:

a) rotating a rotor with at least one roller to occlude a tube between the at least one roller and an occlusion with a substantially constant radius to drive fluid through the flexible tube; and

b) stopping rotation of the rotor with the at least one ~~roller within~~ roller within a distance of a depression formed in the occlusion less than a diameter of the at least one roller, the depression having a curvature that is substantially concentric with the at least one roller when the at least one roller is positioned at the depression.

18. (original) A method in accordance with claim 17, wherein the step of stopping the at least one roller at or near the depression includes presenting the roller with a lower force applied by the tube to the roller at a location of revolution corresponding to the depression.

19. (original) A method in accordance with claim 17, further comprising the steps of:

a) waiting to rotate the roller after stopping for at least one day; and

b) restarting rotation of the rotor with the roller at the depression.

20. (original) A method in accordance with claim 17, wherein the step of introducing fluid further includes introducing ink.

21. (currently amended) A method for controlling a peristaltic pump for pumping a fluid, comprising the steps of:

a) rotating a rotor with at least one roller to occlude a tube between the roller and an occlusion with a substantially constant radius to drive the fluid through the flexible tube; and

b) stopping the at least one roller at a parking position with a lower force applied by the tube to the roller and within a distance of a depression formed in the occlusion less than a diameter of the at least one roller, with the depression having a curvature corresponding to a curvature of the at least one roller with the tube therebetween.

22. (original) A method in accordance with claim 21, further comprising the steps of:

- a) waiting to rotate the roller after stopping for at least one day; and
- b) restarting rotation of the rotor with the roller at the depression.

23. (original) A method in accordance with claim 21, further comprising the step of introducing ink to an inlet of the pump.

24. (currently amended) A printer, comprising:

- a) an ink reservoir configured to contain ink;
- b) a print head, operatively coupled to the ink reservoir, configured to print ink onto a print medium; and
- c) a pump, operatively coupled between the ink reservoir and the print head, having a flexible tube disposed between an occlusion and at least one roller of a rotor rotatable with respect to the occlusion, the occlusion having a substantially constant radius; and

d) the pump having a parking position with a lower force applied by the tube to the roller relative to remaining locations of revolution of the at least one roller along the tube, and including a depression formed in the occlusion; and

f) the depression having a curvature substantially concentric with the at least one roller when the at least one roller is positioned at the depression.

25. (canceled)

26. (original) A printer in accordance with claim 24, further comprising:

means for stopping the rotor with the at least one roller within a distance of the depression less than a diameter of the at least one roller.

27. (original) A printer in accordance with claim 26, wherein the means for stopping the rotor includes an item selected from the group consisting of: an encoder, a stepper motor, and control electronics.